

GWF - Quarterly Construction Equipment Emissions

Carbon Monoxide Quarterly Emissions

	1	2	3	4	5	6
Sitework (Earthwork and Civil)						
Backhoe, 1.0 Cy	653.4	653.4	653.4	653.4	653.4	--
Front End Loader, 2 Cyd	104.4	104.4	104.4	104.4	104.4	--
Grader, 200 Hp 14 Ft	19.7	19.7	19.7	19.7	19.7	--
Vibratory Plate (hand held)	2,662.4	2,662.4	2,662.4	2,662.4	2,662.4	--
Rammer/Jumping Jack (hand held)	2,662.4	2,662.4	2,662.4	2,662.4	2,662.4	--
Riding Vibratory Compactor	0.0	70.4	70.4	0.0	0.0	--
Asphalt Paver	0.0	0.0	0.0	0.0	0.0	--
Asphalt Cutter/Grinder	0.0	0.0	0.0	0.0	0.0	--
Asphalt Compactor, Tandem Steel Drum Roller	0.0	0.0	0.0	0.0	0.0	--
Erection Support Equipment						
Air Compressor, 185 CFM	264.0	264.0	264.0	264.0	264.0	--
Air Compressor, 185 CFM	0.0	0.0	264.0	264.0	264.0	--
Concrete Pump	316.8	316.8	316.8	316.8	0.0	--
Scissors Lift	0.0	140.8	140.8	140.8	0.0	--
JLG 60 Ft	0.0	176.0	176.0	176.0	176.0	--
JLG 60 Ft	0.0	0.0	176.0	176.0	176.0	--
JLG 60 Ft	0.0	0.0	0.0	176.0	176.0	--
Forklift Extended Boom	23.5	23.5	23.5	23.5	23.5	--
Crane 110 Ton	0.0	0.0	375.4	375.4	375.4	--
Hydraulic Truck Crane 55 Ton	563.1	563.1	563.1	563.1	563.1	--
Hydraulic Truck Crane 55 Ton	0.0	563.1	563.1	563.1	563.1	--
Hydraulic Truck Crane 35 Ton	0.0	563.1	563.1	563.1	563.1	--
Hydraulic Truck Crane 22 Ton	563.1	563.1	563.1	563.1	563.1	--
Hydraulic Truck Crane 22 Ton	0.0	0.0	0.0	0.0	657.0	--
7000 Watt Portable Generator	3,549.9	3,549.9	3,549.9	3,549.9	3,549.9	--
Welder - Miller 400d	0.0	246.4	246.4	246.4	246.4	--
Welder - Miller 400d	0.0	0.0	246.4	246.4	246.4	--
Highway Tractor	0.0	105.6	105.6	105.6	105.6	--
Flat Bed Truck w/ Rails	0.0	3,549.9	3,549.9	3,549.9	3,549.9	--
Water Truck	469.3	469.3	469.3	469.3	469.3	--
Sitework (Earthwork and Civil) lbs/month:	6,102.3	6,172.7	6,172.7	6,102.3	6,102.3	0.0
Sitework (Earthwork and Civil) Tons/Qtr:			9.2			6.1
Erection Support Equipment lbs/month:	5,749.7	11,094.6	12,156.3	12,332.3	12,531.8	0.0
Erection Support Equipment Tons/Qtr:			14.5			12.4

GWF - Quarterly Construction Equipment Emissions

Reactive Organic Compounds

Quarterly Emissions

	1	2	3	4	5	6
Sitework (Earthwork and Civil)						
Backhoe, 1.0 Cy	32.9	32.9	32.9	32.9	32.9	--
Front End Loader, 2 Cyd	42.0	42.0	42.0	42.0	42.0	--
Grader, 200 Hp 14 Ft	5.1	5.1	5.1	5.1	5.1	--
Vibratory Plate (hand held)	84.9	84.9	84.9	84.9	84.9	--
Rammer/Jumping Jack (hand held)	84.9	84.9	84.9	84.9	84.9	--
Riding Vibratory Compactor	0.0	15.6	15.6	0.0	0.0	--
Asphalt Paver	0.0	0.0	0.0	0.0	0.0	--
Asphalt Cutter/Grinder	0.0	0.0	0.0	0.0	0.0	--
Asphalt Compactor, Tandem Steel Drum Roller	0.0	0.0	0.0	0.0	0.0	--
Erection Support Equipment						
Air Compressor, 185 CFM	58.7	58.7	58.7	58.7	58.7	--
Air Compressor, 185 CFM	0.0	0.0	58.7	58.7	58.7	--
Concrete Pump	70.4	70.4	70.4	70.4	0.0	--
Scissors Lift	0.0	31.3	31.3	31.3	0.0	--
JLG 60 Ft	0.0	39.1	39.1	39.1	39.1	--
JLG 60 Ft	0.0	0.0	39.1	39.1	39.1	--
JLG 60 Ft	0.0	0.0	0.0	39.1	39.1	--
Forklift Extended Boom	6.9	6.9	6.9	6.9	6.9	--
Crane 110 Ton	0.0	0.0	39.6	39.6	39.6	--
Hydraulic Truck Crane 55 Ton	59.4	59.4	59.4	59.4	59.4	--
Hydraulic Truck Crane 55 Ton	0.0	59.4	59.4	59.4	59.4	--
Hydraulic Truck Crane 35 Ton	0.0	59.4	59.4	59.4	59.4	--
Hydraulic Truck Crane 22 Ton	59.4	59.4	59.4	59.4	59.4	--
Hydraulic Truck Crane 22 Ton	0.0	0.0	0.0	0.0	69.4	--
7000 Watt Portable Generator	113.3	113.3	113.3	113.3	113.3	--
Welder - Miller 400d	0.0	54.8	54.8	54.8	54.8	--
Welder - Miller 400d	0.0	0.0	54.8	54.8	54.8	--
Highway Tractor	0.0	23.5	23.5	23.5	23.5	--
Flat Bed Truck w/ Rails	0.0	113.3	113.3	113.3	113.3	--
Water Truck	49.5	49.5	49.5	49.5	49.5	--
Sitework (Earthwork and Civil) lbs/month:	249.8	265.4	265.4	249.8	249.8	0.0
Sitework (Earthwork and Civil) Tons/Qtr:			0.4			0.2
Erection Support Equipment lbs/month:	417.6	798.4	990.5	1,029.6	997.3	0.0
Erection Support Equipment Tons/Qtr:			1.1			1.0

GWF - Quarterly Construction Equipment Emissions

Nitrogen Oxides

Quarterly Emissions

	1	2	3	4	5	6
Sitework (Earthwork and Civil)						
Backhoe, 1.0 Cy	231.8	231.8	231.8	231.8	231.8	--
Front End Loader, 2 Cyd	346.8	346.8	346.8	346.8	346.8	--
Grader, 200 Hp 14 Ft	92.9	92.9	92.9	92.9	92.9	--
Vibratory Plate (hand held)	64.4	64.4	64.4	64.4	64.4	--
Rammer/Jumping Jack (hand held)	64.4	64.4	64.4	64.4	64.4	--
Riding Vibratory Compactor	0.0	177.3	177.3	0.0	0.0	--
Asphalt Paver	0.0	0.0	0.0	0.0	0.0	--
Asphalt Cutter/Grinder	0.0	0.0	0.0	0.0	0.0	--
Asphalt Compactor, Tandem Steel Drum Roller	0.0	0.0	0.0	0.0	0.0	--
Erection Support Equipment						
Air Compressor, 185 CFM	664.8	664.8	664.8	664.8	664.8	--
Air Compressor, 185 CFM	0.0	0.0	664.8	664.8	664.8	--
Concrete Pump	797.8	797.8	797.8	797.8	0.0	--
Scissors Lift	0.0	354.6	354.6	354.6	0.0	--
JLG 60 Ft	0.0	443.2	443.2	443.2	443.2	--
JLG 60 Ft	0.0	0.0	443.2	443.2	443.2	--
JLG 60 Ft	0.0	0.0	0.0	443.2	443.2	--
Forklift Extended Boom	57.5	57.5	57.5	57.5	57.5	--
Crane 110 Ton	0.0	0.0	869.7	869.7	869.7	--
Hydraulic Truck Crane 55 Ton	1,304.6	1,304.6	1,304.6	1,304.6	1,304.6	--
Hydraulic Truck Crane 55 Ton	0.0	1,304.6	1,304.6	1,304.6	1,304.6	--
Hydraulic Truck Crane 35 Ton	0.0	1,304.6	1,304.6	1,304.6	1,304.6	--
Hydraulic Truck Crane 22 Ton	1,304.6	1,304.6	1,304.6	1,304.6	1,304.6	--
Hydraulic Truck Crane 22 Ton	0.0	0.0	0.0	0.0	1,522.1	--
7000 Watt Portable Generator	85.9	85.9	85.9	85.9	85.9	--
Welder - Miller 400d	0.0	620.5	620.5	620.5	620.5	--
Welder - Miller 400d	0.0	0.0	620.5	620.5	620.5	--
Highway Tractor	0.0	265.9	265.9	265.9	265.9	--
Flat Bed Truck w/ Rails	0.0	85.9	85.9	85.9	85.9	--
Water Truck	1,087.2	1,087.2	1,087.2	1,087.2	1,087.2	--
Sitework (Earthwork and Civil) lbs/month:	800.4	977.7	977.7	800.4	800.4	0.0
Sitework (Earthwork and Civil) Tons/Qtr:			1.4			0.8
Erection Support Equipment lbs/month:	5,302.4	9,681.8	12,280.1	12,723.3	13,093.0	0.0
Erection Support Equipment Tons/Qtr:			13.6			12.9

GWF - Quarterly Construction Equipment Emissions

Sulfur Dioxide

Quarterly Emissions

	1	2	3	4	5	6
Sitework (Earthwork and Civil)						
Backhoe, 1.0 Cy	16.4	16.4	16.4	16.4	16.4	--
Front End Loader, 2 Cyd	33.2	33.2	33.2	33.2	33.2	--
Grader, 200 Hp 14 Ft	11.2	11.2	11.2	11.2	11.2	--
Vibratory Plate (hand held)	3.6	3.6	3.6	3.6	3.6	--
Rammer/Jumping Jack (hand held)	3.6	3.6	3.6	3.6	3.6	--
Riding Vibratory Compactor	0.0	14.9	14.9	0.0	0.0	--
Asphalt Paver	0.0	0.0	0.0	0.0	0.0	--
Asphalt Cutter/Grinder	0.0	0.0	0.0	0.0	0.0	--
Asphalt Compactor, Tandem Steel Drum Roller	0.0	0.0	0.0	0.0	0.0	--
Erection Support Equipment						
Air Compressor, 185 CFM	55.9	55.9	55.9	55.9	55.9	--
Air Compressor, 185 CFM	0.0	0.0	55.9	55.9	55.9	--
Concrete Pump	67.1	67.1	67.1	67.1	0.0	--
Scissors Lift	0.0	29.8	29.8	29.8	0.0	--
JLG 60 Ft	0.0	37.3	37.3	37.3	37.3	--
JLG 60 Ft	0.0	0.0	37.3	37.3	37.3	--
JLG 60 Ft	0.0	0.0	0.0	37.3	37.3	--
Forklift Extended Boom	---	---	---	---	---	--
Crane 110 Ton	0.0	0.0	93.9	93.9	93.9	--
Hydraulic Truck Crane 55 Ton	140.8	140.8	140.8	140.8	140.8	--
Hydraulic Truck Crane 55 Ton	0.0	140.8	140.8	140.8	140.8	--
Hydraulic Truck Crane 35 Ton	0.0	140.8	140.8	140.8	140.8	--
Hydraulic Truck Crane 22 Ton	140.8	140.8	140.8	140.8	140.8	--
Hydraulic Truck Crane 22 Ton	0.0	0.0	0.0	0.0	164.3	--
7000 Watt Portable Generator	4.8	4.8	4.8	4.8	4.8	--
Welder - Miller 400d	0.0	52.2	52.2	52.2	52.2	--
Welder - Miller 400d	0.0	0.0	52.2	52.2	52.2	--
Highway Tractor	0.0	22.4	22.4	22.4	22.4	--
Flat Bed Truck w/ Rails	0.0	4.8	4.8	4.8	4.8	--
Water Truck	117.3	117.3	117.3	117.3	117.3	--
Sitework (Earthwork and Civil) lbs/month:	68.1	83.0	83.0	68.1	68.1	0.0
Sitework (Earthwork and Civil) Tons/Qtr:			0.1			0.1
Erection Support Equipment lbs/month:	526.7	954.8	1,194.0	1,231.3	1,298.6	0.0
Erection Support Equipment Tons/Qtr:			1.3			1.3

GWF - Quarterly Construction Equipment Emissions

Particulate Matter <10um

Quarterly Emissions

	1	2	3	4	5	6
Sitework (Earthwork and Civil)						
Backhoe, 1.0 Cy	25.6	25.6	25.6	25.6	25.6	--
Front End Loader, 2 Cyd	31.0	31.0	31.0	31.0	31.0	--
Grader, 200 Hp 14 Ft	8.0	8.0	8.0	8.0	8.0	--
Vibratory Plate (hand held)	4.1	4.1	4.1	4.1	4.1	--
Rammer/Jumping Jack (hand held)	4.1	4.1	4.1	4.1	4.1	--
Riding Vibratory Compactor	0.0	14.6	14.6	0.0	0.0	--
Asphalt Paver	0.0	0.0	0.0	0.0	0.0	--
Asphalt Cutter/Grinder	0.0	0.0	0.0	0.0	0.0	--
Asphalt Compactor, Tandem Steel Drum Roller	0.0	0.0	0.0	0.0	0.0	--
Erection Support Equipment						
Air Compressor, 185 CFM	54.8	54.8	54.8	54.8	54.8	--
Air Compressor, 185 CFM	0.0	0.0	54.8	54.8	54.8	--
Concrete Pump	65.7	65.7	65.7	65.7	0.0	--
Scissors Lift	0.0	29.2	29.2	29.2	0.0	--
JLG 60 Ft	0.0	36.5	36.5	36.5	36.5	--
JLG 60 Ft	0.0	0.0	36.5	36.5	36.5	--
JLG 60 Ft	0.0	0.0	0.0	36.5	36.5	--
Forklift Extended Boom	4.0	4.0	4.0	4.0	4.0	--
Crane 110 Ton	0.0	0.0	54.2	54.2	54.2	--
Hydraulic Truck Crane 55 Ton	81.3	81.3	81.3	81.3	81.3	--
Hydraulic Truck Crane 55 Ton	0.0	81.3	81.3	81.3	81.3	--
Hydraulic Truck Crane 35 Ton	0.0	81.3	81.3	81.3	81.3	--
Hydraulic Truck Crane 22 Ton	81.3	81.3	81.3	81.3	81.3	--
Hydraulic Truck Crane 22 Ton	0.0	0.0	0.0	0.0	94.9	--
7000 Watt Portable Generator	5.4	5.4	5.4	5.4	5.4	--
Welder - Miller 400d	0.0	51.1	51.1	51.1	51.1	--
Welder - Miller 400d	0.0	0.0	51.1	51.1	51.1	--
Highway Tractor	0.0	21.9	21.9	21.9	21.9	--
Flat Bed Truck w/ Rails	0.0	5.4	5.4	5.4	5.4	--
Water Truck	67.8	67.8	67.8	67.8	67.8	--
Sitework (Earthwork and Civil) lbs/month:	72.7	87.3	87.3	72.7	72.7	0.0
Sitework (Earthwork and Civil) Tons/Qtr:			0.1			0.1
Erection Support Equipment lbs/month:	360.4	667.2	863.8	900.3	900.3	0.0
Erection Support Equipment Tons/Qtr:			0.9			0.9